

Fig. 1
(Prior Art)

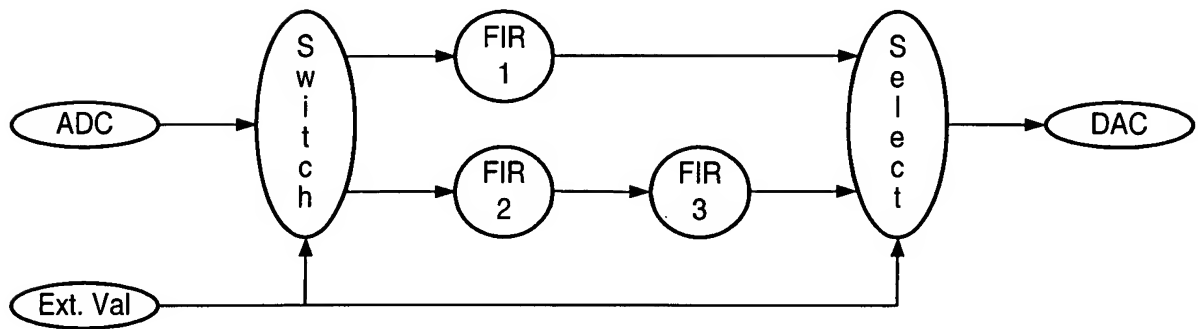


Fig. 2
(Prior Art)

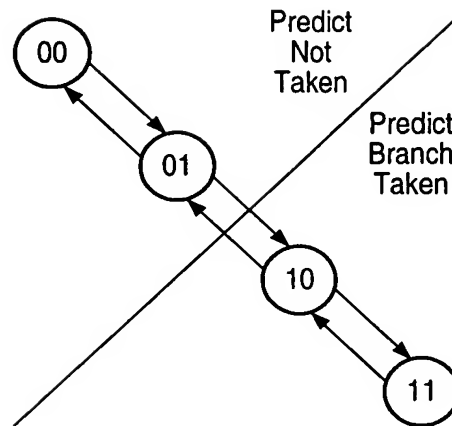


Fig. 3
(Prior Art)

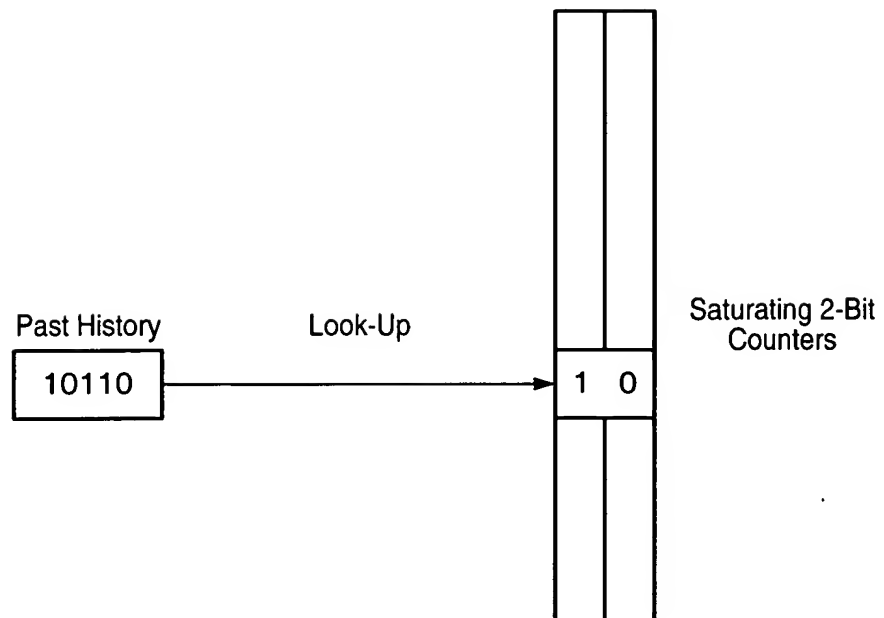


Fig. 4
(Prior Art)

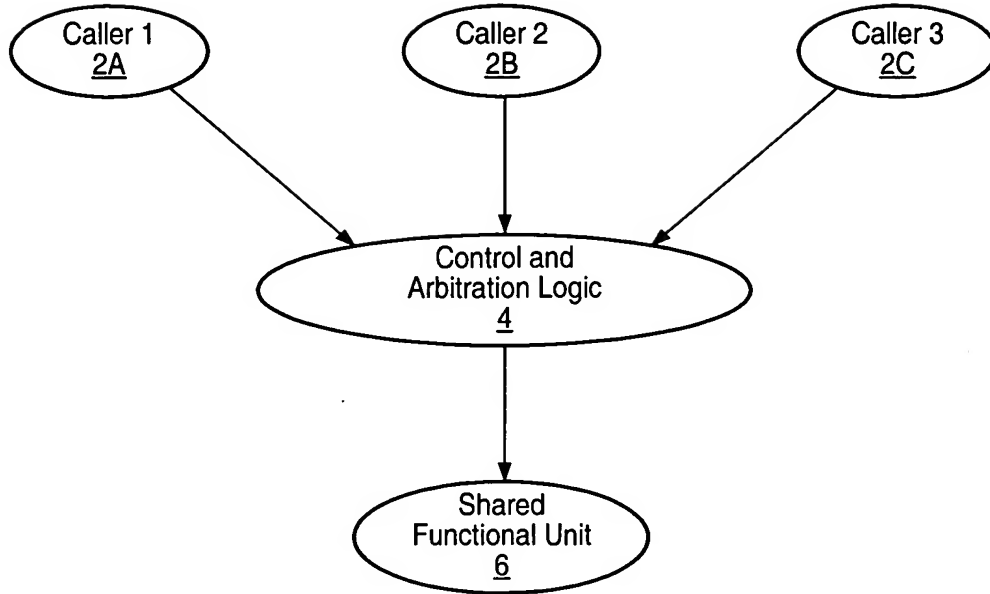


Fig. 5

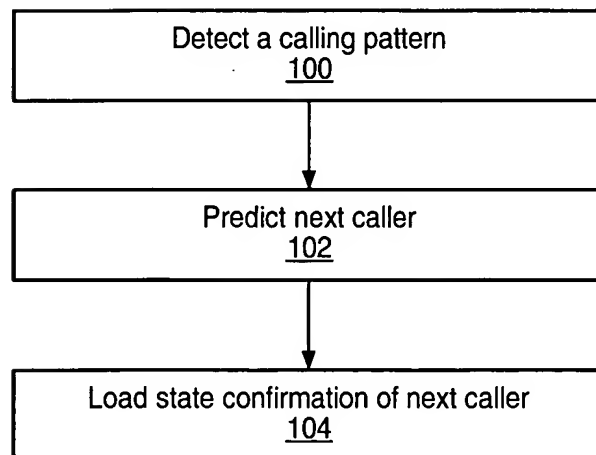


Fig. 6

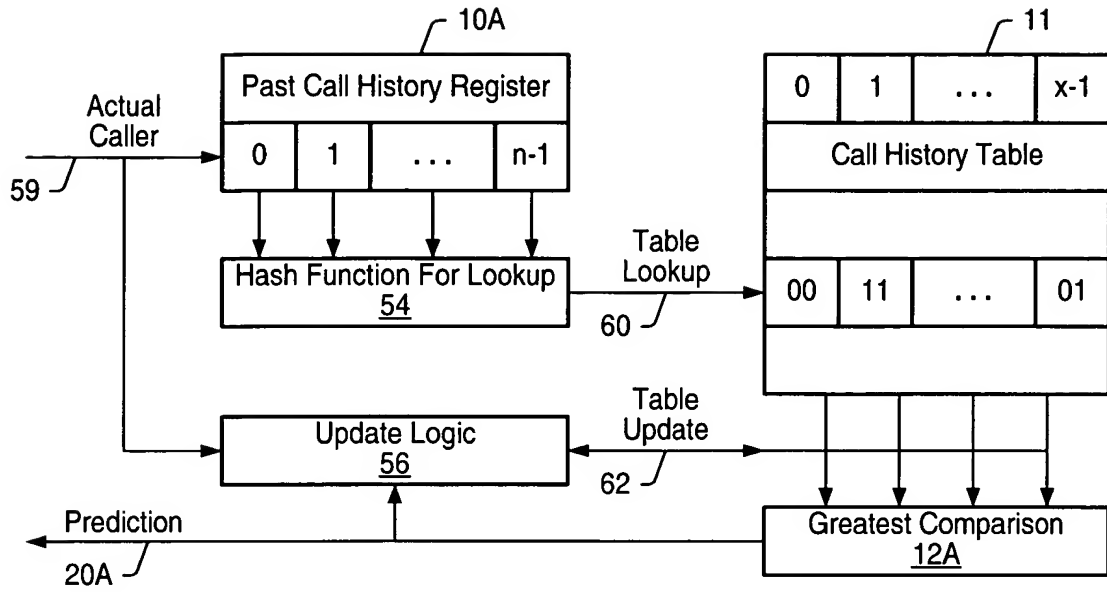


Fig. 7

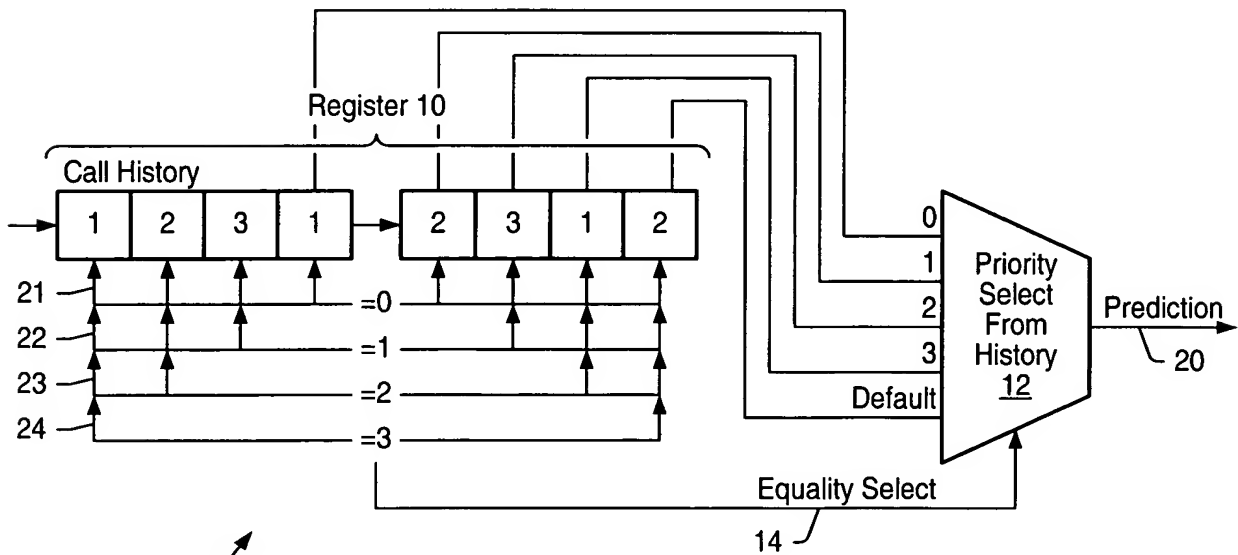


Fig. 8

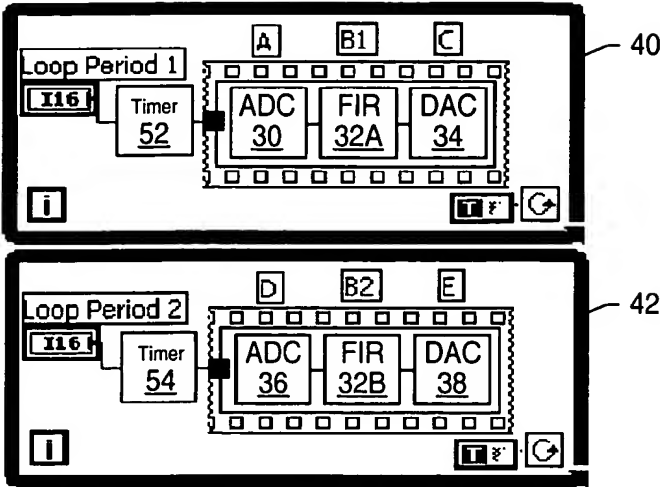


Fig. 9

20	31	6	20	20	31	6	20	11	6	20	=191 cycles
A	F1		C	A	F1		C				Loop 1
		B1				B1		B2			FIR Exec
			D			F2	F2		E		Loop 2

Fig. 10

31	6	20	20	6	31	6	20	=140 cycles
A		C	A		C			Loop 1
F1	B1		F1	B1	F2	B2	F1	FIR Exec
			D				E	Loop 2

Fig. 11